BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 19.95Lakhs

Name of Work:-Improvements to drains and asphalting to main and cross roads in B sector in ward no :04

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
	Removing silt in drains, 7th Cross		2	150.00	0.50	0.45	67.50		
	3rd B Main		2	25.00	0.50	0.45	11.25		
	8th Cross		2	150.00	0.50	0.45	67.50		
	Berm cutting &over burden earthcutting in road portions		2	150.00	1.20	0.25	90.00		
			2	25.00	1.20	0.25	15.00		
	Flagging coarse		2	150.00	0.30	0.20	18.00		
			2	150.00	0.20	0.20	12.00		
	Rcc drain		1	52.00	1.10	1.00	57.20		
	Removal of debries road side		4	4.80	2.51	1.00	48.18		
							386.63	**75.60**	**29229.23**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
2	Removing B.S slab of drain and stacking	sqm							
	7th Cross		2	150.00	1.65		495.00		
							495.00		
		Deduct 30%of Missing slabs qty					148.50		
							346.50	**58.32**	**20207.88**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
3	Refixing stone slabs of drains and pointing in CM(1:3)	Sqm							
		Vide Item No.2					346.50	75.60	26195.40
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							

4	Providing granite slabs of selected quality finely dressed and fixed in cement mortar (1:6) including fixing curing etc., complete **do 7.5 cms** thick	sqm							
		30% of Missing slabs qty					**148.50**	**639.36**	**94944.96**
	Basic Rate	592.00							
	Area Weightage @ 8%	47.36							
	Total	639.36							
5	KSRRB 4.1:6Providing and laying in position plain **cement concrete mix 1:2:4** with cement @240kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 **(Page.12 & Item No. 4.6)**	Cum							
	Foundation for flagging course								
	Base concrete:- 7th Cross		2	150.00	0.25	0.10	7.50		
	7th Cross		2	150.00	0.15	0.10	4.50		
	Coping:- 7th Cross		2	150.00	0.20	0.10	6.00		
	7th Cross		2	150.00	0.10	0.10	3.00		
							21.00	**5327.64**	**111880.44**
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	**5327.64**							
6	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.27)	Sqm							
	7th Cross		2	150.00		0.20	60.00		
							60.00	**993.60**	**59616.00**

	Basic Rate	920.00							
	Area Weightage @ 8%	73.60							
	Total	**993.60**							
7	KSRB 5-15: Providing and constructing Non load bearing wall with cement concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.28)	Sqm							
	7th Cross		2	150.00		0.20	60.00		
							60.00	**724.68**	**43480.80**
	Basic Rate	671.00							
	Area Weightage @ 8%	53.68							
	Total	**724.68**							
8	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	7th Cross		2	150.00	0.90		270.00		
			95% of quantity				**256.50**		
	Missing slabs in existing drain		1	16.75	0.90		15.08		
							271.58	**1498.00**	**406826.84**
9	Providing and fixing precast solid concrete kerb stones made out of cc1:2:4 and finished with CM 1:3 plastering and finishing cutting etc.,complete asper specifications and directions of the engineer in charge of the work.P.NO25/S.NO5.29.1(PWD SR2014-2015)	**NO,s**							
	(Size450*200*400MM)		2	150.00			300.00		
							300.00		
			85% of quantity				**255.00**		
							554.35	**357.48**	**198169.04**
	Basic rate	331.00							
	Add 8% AW	26.48							
	Total	357.48							

10	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2 (Item no 4.3,Page no12,PWD SR 2014-15)	Cum							
	for RCC drain		1	52.00	1.00	0.20	10.41		
							10.41	**4847.04**	50457.69
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	4847.04							
11	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2014-15,p.no13,sno4.11)	Cum							
	Drian bottom		1	52.00	1.00	0.15	7.80		
	Side wall		2	52.00	0.15	0.70	10.92		
	Continous slab		1	52.00	0.90	0.15	7.02		
	Drain back filling		1	50.80	0.20	0.35	3.56		
	Basic rate	5616.00					**29.30**	**6065.28**	177712.70
	Add 8% AW	449.28							
	Total	6065.28							

	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe500 (pwd sr2014-15,p.no17,s.no4.46)	Qtl							
	70 kg / cum						**20.51**	**7835.18**	**160699.54**
	Basic rate	7254.80							
	Add 8% AW	580.38							
	Total	7835.18							
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2 (pwd sr2014-15, p.no15/4.31)	Sqm							
	Drain Side walls		2	52.00		0.70	72.80		
			2	52.00		1.00	104.00		
	Continous slab		1	52.00	0.62		32.00		
	Basic rate	271.00					**208.80**	**292.68**	**61111.58**
	Add 8% AW	21.68							
	Total	292.68							
14	KSRB 15-17.5:Applying priming coat over new wood surface and/or wood based surfaces after preparing the surface after throughly cleaning oil,grease,dirt and forign matter,sand papering and knotting liquid wood filler,for varnish including cost of materials,labour,complete as per specificationsP.NO115/15.59)	Sqm							
	Kerb stone painting		2	150.00		0.40	120.00		
	Basic rate	31.00					**120.00**	**33.48**	**4017.60**
	Add 8% AW	2.48							
	Total	33.48							

15	KSRB 15-17.6:Providing and applying painting two coats(excluding proiming coat)on new wood surface and/or wood based surfaces with ename paint to give an even shade,cleaning the surface of all dirt,dust and forign matter,sand papering including as per specifications and directions of the engineer in charge of the work.P.NO115/15.60.1)	Sqm							
	Kerb stone painting	**Quantity vide item no-14**					120.00		
	Basic rate	78.00					**120.00**	**84.24**	**10108.80**
	Add 8% AW	6.24							
	Total	84.24							
16	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification: 406 (PWD SR 2014-15 P.N.154 It 20.18)	**Cum**							
	Road cut portions		20	6.20	0.65	0.30	24.18		
			10	3.00	0.65	0.30	5.85		
							30.03	**1438.56**	**43199.96**
	Basic Rate	1332.00							
	Area Weightage 8%	106.56							
	Total	1438.56							

17	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH SpecificationsNo502 (ITEMNO21.6,Page no157,PWD SR 2014-15)	Sqm							
	7TH Cross Road		1	150.00	6.50		975.00		
							975.00	35.21	34329.75
	Basic Rate	32.60							
	Area Weightage @ 8%	2.61							
	Total	**35.21**							
18	KSRRB M500-18.Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler, transporting the hot mix to work site.laying with a paver finisher to the required grade,levell and alignment, rolling withsmooth wheeled,vibratoryandtan demrollers to achievethe desired compactionasperMORTHSpecificationclauseno508completeinallrespectscompleteasperspecifications.using100120THcapacity H.M.P with sensor paver gradingI(35-40mm) with 4.5% CRMB55grade(Itemno21.21.1,Pageno16 D 2014-15)	**Sqm**							
	Road cut portions		20	6.20	0.65	0.035	2.820		
			10	3.10	0.65	0.035	0.705		
	7th cross		1	150.00	6.50	0.040	39.000		
	Basic rate	9440.00					**42.525**	**10195.20**	**433550.88**
	Add 8% AW	755.20							
	Total	**10195.20**							

19	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2014-15)	Cum							
			Vide Item No. 1				386.63	68.04	26306.00
	Basic Rate	63.00							
	Area Weightage @ 8%	5.04							
		68.04							
									2853.92
20	Miscellaneous charges	L/S							
								Total RS	1995000.00
	(Rupees Ten lakhs only)								

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

TECHNICALLY SANCTIONED FOR Rs. 19.95 lakh
Rupees Nineteen lakhs ninety five thousand only
Under P- 1771 /14-15
Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No /9/
Dt. 28/10/14 Estimate A/ Sanctioned
CE/YNK/TS/86/14-15 vide
Dated 28/10/14 Rs. 19.95 lakh

Executive Engineer

Administrative Sanction for Rs. 19.95 lakh
Nineteen lakhs ninety five thousand only
is accorded under head P- 1771/14-15
Registered as CE No. Subject
to conditions contained in enclosed memo
No. CE/YNK/AA/59/14-15 Dt. 28/10/14

AE/JE TA CE(YNK)